

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated in the following recitation of pending claims:

1-2 (Cancelled)

3. (Previously presented) The apparatus of claim 21 further comprising a first WLAN-device calibrator element, located at the first WLAN device, said first WLAN-device calibrator element for causing the first WLAN device to generate the first WLAN device-generated signal.

4. (Original) The apparatus of claim 3 wherein the first WLAN device comprises a first portable computer station having a first WLAN PCCARD selectably operable in a broadcast transmit mode, and wherein said first WLAN-device calibrator element causes the first WLAN PCCARD to operate in the broadcast mode to generate the first WLAN device-generated signal.

5. (Original) The apparatus of claim 4 further comprising a second WLAN-device calibrator element located at the second WLAN device, said second WLAN-device calibrator element for controlling operation of said variable attenuator to select the selected attenuation level of said variable attenuator.

6. (Original) The apparatus of claim 5 wherein said second WLAN-device calibrator element is further for measuring values of the attenuated signal formed by said variable attenuator and applied to the second WLAN device when the second WLAN device is connected to the second port of said variable attenuator.

7. (Original) The apparatus of claim 6 wherein the values of the attenuated signal measured by said second WLAN-device calibrator element comprise RSSI (Received Signal Strength Indication) values.

8. (Original) The apparatus of claim 6 wherein the second WLAN device comprises a second portable computer station having a second WLAN PCCARD, and wherein said second WLAN-device calibrator element is further for forming a connection function responsive to measured values of the attenuated signal formed by said variable attenuator at the selected attenuation level.

9. (Original) The apparatus of claim 8 wherein said second WLAN-device calibrator element selects the selected attenuator level of said variable attenuator to be of successively-different levels, measures the attenuated signal formed at the second port attenuated at the successively-different levels, and forms the connective function responsive thereto.

10 – 20. (Cancelled)

21. (Currently amended) In a WLAN having a first WLAN device and at least a second WLAN device, each of the first and at least second WLAN device, respectively, capable of communicating WLAN data, an improvement of apparatus for selectably connecting the first WLAN device and the second WLAN device, said apparatus comprising:

a variable attenuator having a first port selectably connectable to the first WLAN device and a second port selectably connectable to the second WLAN device, the first WLAN device forming a device under test and the second WLAN device forming a control-device, a first WLAN device-generated signal selectably applied to the first port when the first port is connected to the first WLAN device, said variable attenuator for attenuating at a selected attenuation level a the-first WLAN device-generated signal at a selected-attenuation-level applied to the first port when the first port is connected to the first WLAN device, and for providing an attenuated signal at the second variable-attenuator port thereof; and

a test controller coupled to the first WLAN device and selectably connectable to said variable attenuator and to the first WLAN device, said test controller for selecting the selected attenuation level of said variable attenuator and for selecting parameters of the first WLAN device-generated signal-signal, the first WLAN device forming a device under test and the second WLAN device forming a control device;

— wherein said variable attenuator comprises a resistive step attenuator having a plurality of resistive elements, each of the resistive elements of the plurality of resistive elements of different resistive values, wherein a selected at least one resistive element is selected to be coupled to the first port, thereby to attenuate first WLAN device-generated signal at the selected attenuation level, the selected attenuation level responsive to the resistive value of the selected at least one resistive element.

22. (Previously presented) The apparatus of claim 21 wherein the second WLAN device is connected to the second port of said variable attenuator and wherein the second WLAN device measures values of the attenuated signal formed by said variable attenuator.

23. (Previously presented) The apparatus of claim 22 wherein said test controller further is coupled to the second WLAN device, wherein the second WLAN device forwards measured values of the attenuated signal to said test controller.

24. (Previously presented) The apparatus of claim 23 wherein said test controller is further operable, responsive to forwarding of the measured values thereto by the second WLAN device, to analyze operation of the first WLAN device.

25. (Previously presented) The apparatus of claim 24 wherein the parameters of the first WLAN device-generated signal selected by said test controller comprise a desired transmit power level, a transmission frequency, and a data rate.

26. (Currently amended) In a WLAN having a first WLAN device and at least a second WLAN device, each of the first and at least second WLAN device, respectively, capable of communicating WLAN data, an improvement of apparatus for selectably connecting the first WLAN device and the second WLAN device, said apparatus comprising:

a variable attenuator having a first port selectably connectable to the first WLAN device and a second port selectably connectable to the second WLAN device, the first WLAN device forming a device under test and the second WLAN device forming a control-device, a first WLAN device-generated signal selectably applied to the first port when the first port is connected to the first WLAN device, said variable attenuator for attenuating at a selected attenuation level a the-first WLAN device-generated signal at a selected attenuation level applied to the first port when the first port is connected to the first WLAN device, and for providing an attenuated signal at the second variable-attenuator port thereof; and

a test controller coupled ~~to said variable attenuator,~~ and to the first WLAN device; and to the second WLAN device, and selectably connectable to said variable attenuator, said test controller for selecting the selected attenuation level of said variable attenuator and for selecting parameters of the first WLAN device-generated signal. signal, ~~the first WLAN device forming a control device and the second WLAN device forming a device under test~~

~~wherein said variable attenuator comprises a resistive step attenuator having a plurality of resistive elements, each of the resistive elements of the plurality of resistive elements of different resistive values, wherein a selected at least one resistive element is selected to be coupled to the first port, thereby to attenuate first WLAN device-generated signal at the selected attenuation level, the selected attenuation level responsive to the resistive value of the selected at least one resistive element.~~

27. (Currently amended) In a WLAN having a first WLAN device and at least a second WLAN device, each of the first and at least second WLAN device, respectively, capable of communicating WLAN data, an improvement of apparatus for selectably connecting the first WLAN device and the second WLAN device, said apparatus comprising:

a variable attenuator having a first port selectably connectable to the first WLAN device and a second port selectably connectable to the second WLAN device, the first WLAN device forming a device under test and the second WLAN device forming a control-device, a first WLAN device-generated signal selectably applied to the first port when the first port is connected to the first WLAN device, said variable attenuator for attenuating at a selected attenuation level a the first WLAN device-generated signal at a selected attenuation level applied to the first port when the first port is connected to the first WLAN device, and for providing an attenuated signal at the second variable-attenuator port thereof; and

a test controller located in the second ~~WAN~~ WLAN device, the test controller coupled to the first WLAN device and selectably connectable to said variable attenuator ~~and to the first WLAN device,~~ said test controller for selecting the selected attenuation level of said variable attenuator and for selecting parameters of the first WLAN device-generated signal-signal, ~~the first WLAN device forming a device under test and the second WLAN device forming a control-device;~~

~~wherein said variable attenuator comprises a resistive step attenuator having a plurality of resistive elements, each of the resistive elements of the plurality of resistive elements of different resistive values, wherein a selected at least one resistive element is selected to be coupled to the first port, thereby to attenuate first WLAN device-generated signal at the selected attenuation level, the selected attenuation level responsive to the resistive value of the selected at least one resistive element.~~

28. (New) The apparatus of claim 21, wherein said variable attenuator comprises a resistive step attenuator having a plurality of resistive elements, each of the resistive elements of the plurality of resistive elements of different resistive values, wherein a selected at least one resistive is selected to be coupled to the first port, thereby to attenuate first WLAN device-generated signal at the selected attenuation level, the selected attenuation level responsive to the resistive value of the selected at least one resistive element.

29. (New) The apparatus of claim 26, wherein said variable attenuator comprises a resistive step attenuator having a plurality of resistive elements, each of the resistive elements of the plurality of resistive elements of different resistive values, wherein a selected at least one resistive element is selected to be coupled to the first port, thereby to attenuate first WLAN device-generated signal at the selected attenuation level, the selected attenuation level responsive to the resistive value of the selected at least one resistive element.

30. (New) The apparatus of claim 27, wherein said variable attenuator comprises a resistive step attenuator having a plurality of resistive elements, each of the resistive elements of the plurality of resistive elements of different resistive values, wherein a selected at least one resistive element is selected to be coupled to the first port, thereby to attenuate first WLAN device-generated signal at the selected attenuation level, the selected attenuation level responsive to the resistive value of the selected at least one resistive element.